METHODS AND SYSTEMS FOR UPDATING AND RECOVERING FIRMWARE WITHIN A COMPUTING DEVICE OVER A DISTRIBUTED NETWORK

Abstract

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Methods and systems are provided for updating and recovering firmware within computers over a distributed network. While a computer is in an operating system independent state, a determination is made as to whether the firmware within the computer is valid. The firmware may be the BIOS for the computer. If it is determined that the current firmware is invalid, a recovery request is sent to a manager computer monitoring for recovery requests. The manager computer sends a new firmware image over the network to the computer. The invalid firmware is then updated with the new firmware image. An instruction to update the firmware of the computer may also be sent from a manager computer to computers monitoring for instructions. When the instruction is received, the computer transitions to an operating system independent recovery state, receives a new firmware image over the network, and updates with the new firmware image.